

### **Fall chum salmon mark–recapture abundance estimation on the Tanana and Kantishna rivers, 2005**

Fall chum salmon *Oncorhynchus keta* fish wheel mark–recapture studies have been conducted since 1995 on the Tanana River and since 1999 on the Kantishna River. In the Tanana River, chum salmon were captured and tagged using a fish wheel and recaptured in a second fish wheel 73 km upstream. In the Kantishna River, chum salmon were captured and tagged using a fish wheel, and recaptured at 2 different sites: the Toklat River, 89 km upstream, and the upper Kantishna River, 148km upstream. Fall chum salmon abundance estimates using the Darroch model were 337,755 (SE = 22,166) for the Tanana River and 107,719 (SE = 7,649) for the Kantishna River.

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